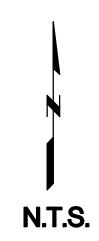
CASEY'S General Store

PROPOSED SITE AT FRANKLIN, INDIANA

LEGAL DESCRIPTION

LOT NUMBERED 1 IN NORTHPOINTE COMMERCIAL SUBDIVISION, SECTION ONE, AN 2002, AS INSTRUMENT NUMBER 2002-036753 IN THE OFFICE OF THE RECORDER





VICINITY MAP

EXISTING UTILITIES

CITY OF FRANKLIN: JOE MCGUINNESS, MAYOR PH. 877-736-3602

KRISTA LINKE, COMMUNITY DEVELOPMENT PH. 877-736-3631 70 E. MONROE STREET FRANKLIN, IN 46131

CITY OF FRANKLIN PLANNING AND ENGINEERING DEPT.: TRAVIS UNDERHILL, CITY ENGR. Ph. 877-736-3631

JOANNA MYERS, SENIOR PLANNER PH. 877-736-3631 70 E. MONROE STREET FRANKLIN, IN 46131 PH. 877-736-3631

PUBLIC WORKS DEPT.: RICK LITTLETON, SUPERINTENDENT 796 S. STATE STREET FRANKLIN, IN 46131 PH. 888-736-3640

ELECTRIC:

DUKE ENERGY

2515 N. MORTON STREET

INDIANA DEPARTMENT OF

SEYMOUR DISTRICT OFFICE

CITY OF FRANKLIN WASTE

WATER TREATMENT PLANT 706 S. STATE STREET

FRANKLIN, IN 46131

PH. 317-736-2031

TRANSPORTATION

185 AGRICO LANE

SEYMOUR, IN 47274

PH. 877-305-7611

SANITARY SEWER

FRANKLIN, IN 56131

PH. 888-736-3640

ANTHONY MCCLELLAN

BOB ROGGE VECTREN 600 INDUSTRIAL DR. FRANKLIN, IN 46131 PH. 800-227-1376

PHONE / CABLE SERVICE:

FRONTIER COMMUNICATIONS

PH. 812-522-7871 WATER: INDIANA AMERICAN WATER 2501 ENDRESS PLACE GREENWOOD, IN 46143 PH. 317-881-0270

ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 AS ESTABLISHED FROM A GPS OBSERVATION.

ON SOUTH SIDE OF EARLYWOOD DR., ELEVATION = 777.37 FEET.

BM# 103: SET RAILROAD SPIKE IN FIRST UTILITY POLE NORTH OF EARLYWOOD DRIVE ON WEST SIDE OF US 31, ELEVATION = 778.11 FEET.

BM# 106: SET CHISELED SQUARE ON EAST MOST LIGHT POLE BASE ON SOUTH SIDE OF CARWASH PROPERTY, BEING ON LOT 2 OF NORTHPOINTE COMMERCIAL SUBDIVISION, SECTION ONE, ELEVATION = 777.62 FEET.

INDEX TO SHEETS

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	1.	COVER SHEET	10-28-15	
	2.	GENERAL NOTES & LEGENDS	10-28-15	
	3.	EXISTING TOPOGRAPHY & DEMOLITION PLAN	10-28-15	
	4.	LAYOUT PLAN	10-28-15	
	5.	GRADING & EROSION CONTROL PLAN	10-28-15	
	6.	UTILITY PLAN	10-28-15	
	7.	SANITARY & STORM SEWER DETAILS	10-28-15	
	8.	STORM SEWER DETAILS	10-28-15	
	9.	STANDARD SITE DETAILS	10-28-15	
	10.	STANDARD SITE DETAILS	10-28-15	
	11.	EROSION CONTROL & MISC. DETAILS	10-28-15	
	12.	LANDSCAPE PLAN	10-28-15	
	13.	LANDSCAPE DETAILS & NOTES	10-28-15	

MARKETING COMPANY

Farnsworth

2211 WEST BRADLEY AVENUE CHAMPAIGN, ILLINOIS 61821 (217) 352-7408 / info@f-w.com

GROUP, INCORPORATED

Date: Description:

D/B/A FARNSWORTH ENGINEERING

Engineers | Architects | Surveyors | Scientists

CITY OF FRANKLIN JOHNSON CO., INDIANA

	Date:		10)-28-
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COVER

STATE OF

SHEET NUMBER:

of 13

151019.02

Project No.:

2211 WEST BRADLEY AVENUE CHAMPAIGN, IL 61821

PREPARED BY:

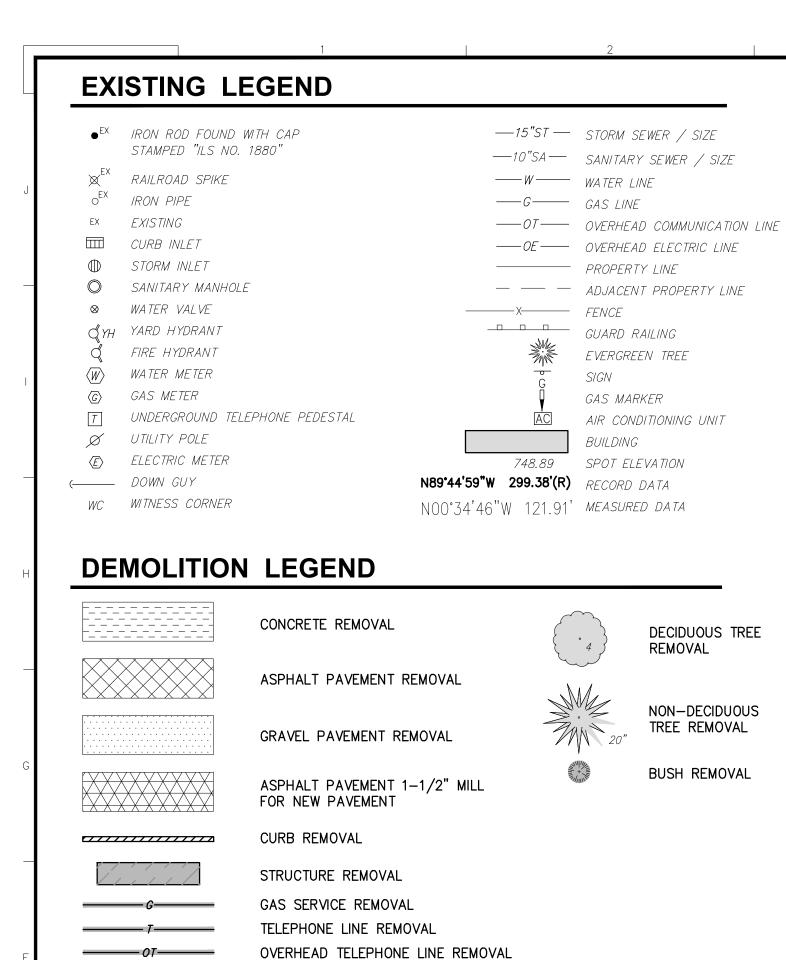
FARNSWORTH GROUP, INC.

BM# 104: SET RAILROAD SPIKE IN SECOND UTILITY POLE WEST OF US 31

BENCHMARKS

PATRICK J. MOONE INDIANA PROFESSIONAL ENGINEER NO. 11012297 EXPIRES ____07/31/16 DEVELOPER:

CASEY'S MARKETING COMPANY ONE CONVENIENCE BOULEVARD P.O. BOX 3001 ANKENY, IOWA 50021 515-965-6100



OVERHEAD ELECTRIC LINE REMOVAL

OVERHEAD ELECTRIC LINE RELOCATION

TELEPHONE LINE RELOCATION

HEAVY DUTY DRIVEWAY

HEAVY-PAVEMENT ON SITE

EROSION CONTROL BLANKET

AGGREGATE BASE #53

6" COMPACTED AGGREGATE BASE #53

7" P.C. CONC. W/#4 REINF. BARS @ 24"

PAVEMENT REPAIR FOR UTILITY CONNECTION

CTRS EACH WAY OVER 12" COMPACTED

9" P.C. CONC.

ORANGE CONSTRUCTION FENCING

PROJECT SPECIFICATIONS AND STANDARDS

SITE CONSTRUCTION FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS:

- A. "INDOT STANDARD SPECIFICATIONS BOOK". CURRENT EDITION.
- B. "INDIANA STORM WATER QUALITY MANUAL", CURRENT EDITION.
- "INDIANA DRAINAGE HANDBOOK", CURRENT EDITION. "INDIANA ACCESSIBILITY CODE"
- CITY OF FRANKLIN LATEST STANDARDS & SPECIFICATIONS.
- F. CASEY'S GENERAL STORE SPECIFICATIONS, LATEST VERSION.

DEMOLITION NOTES (SHEET 3)

- 1. THE EXISTING TOPOGRAPHIC INFORMATION INDICATED FOR THIS PROJECT IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY FARNSWORTH GROUP, INC. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TOPOGRAPHIC INFORMATION INDICATED ON THE DRAWINGS AND SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING TOPOGRAPHIC INFORMATION ABOVE OR BELOW GROUND, SHOWN OR NOT SHOWN, PRIOR TO CONSTRUCTION. DISCREPANCIES IN EXISTING TOPOGRAPHIC DATA SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY FOR REVIEW.
- 2. CONTRACTOR SHALL NOTIFY AND COORDINATE UTILITY ABANDONMENTS AND RELOCATIONS WITH APPROPRIATE UTILITY COMPANY AFFECTED AS MAY BE NECESSARY. SEE COVER SHEET FOR CONTACT LISTINGS OF LOCAL UTILITIES.
- 3. CALL BEFORE YOU DIG INDIANA 811. CONTACT 1-800-382-5544 BEFORE YOU BEGIN CONSTRUCTION OPERATIONS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY PROVIDERS AND HAVING ALL UNDERGROUND UTILITIES PROPERLY LOCATED PRIOR TO ANY
- 5. UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR. DUE TO THE AGE OF THE SITE, UNKNOWN UTILITIES MAY BE DISCOVERED AND SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY.
- 6. CONTRACTOR SHALL REMOVE ALL EXISTING UTILITIES INDICATED WITHIN THE PROPOSED BUILDING FOOTPRINTS, AND BACKFILL WITH APPROVED GRANULAR MATERIAL.
- 7. CONTRACTOR SHALL COMPLY WITH ALL UTILITY PROVIDER REQUIREMENTS WHEN DISCONNECTING EXISTING UTILITY SERVICE FROM BUILDINGS TO BE REMOVED.
- 8. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO OTHER AREAS ADJACENT TO NEW CONSTRUCTION OR AREAS WHERE VARIOUS
- SYSTEM CONNECTIONS OR EXTENSIONS ARE REQUIRED. 9. TEMPORARY BARRICADES PERTAINING TO THE CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PEDESTRIANS IN AND AROUND
- 10. PRIOR TO ANY DEMOLITION TAKING PLACE, PERIMETER EROSION CONTROL MEASURES MUST BE IN PLACE. SEE SHEET 5.

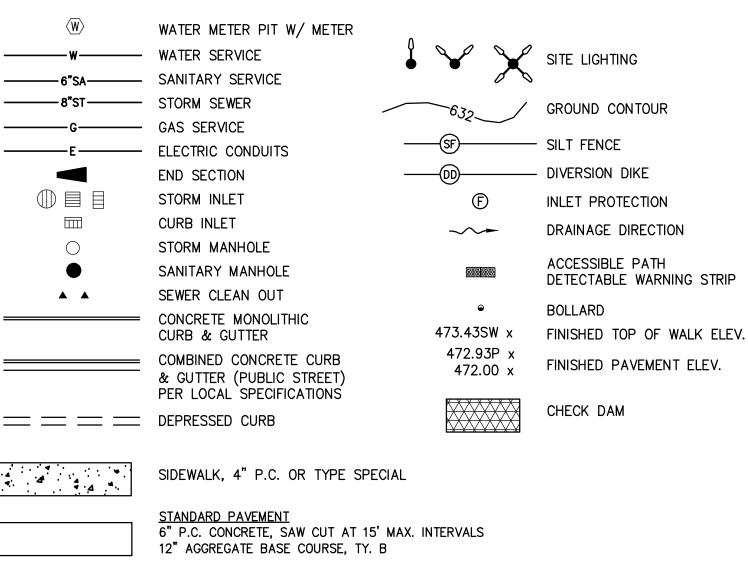
CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS.

- 11. NO BURNING OR BURYING OF ANY DEMOLITION MATERIAL IS PERMITTED ON SITE.
- 12. UNDERGROUND STORAGE TANKS SHALL BE REMOVED BY LICENSED CONTRACTORS IN COMPLIANCE WITH ALL UST REGULATIONS. IF PETROLEUM IS FOUND NOTICE TO IDEM SHALL BE CONDUCTED. ANY REMEDIATION EFFORTS SHALL BE HANDLED UNDER A SEPARATE NEGOTIATED CONTACT.

PROPOSED LEGEND

------ OE ------

____x___x___



STANDARD LAYOUT NOTES (SHEET 4)

- 1. ALL PAVEMENT DIMENSIONS ARE MEASURED TO FACE OF CURB. WHERE APPLICABLE, COORDINATES ARE TO FACE OF CURB.
- 2. BUILDING DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECT'S PLANS.
- 3. STANDARD PARKING SPACE MARKINGS SHALL BE TRAFFIC WHITE. - BLUE LINES MAY SUPPLEMENT WHITE PARKING SPACE MARKINGS OF EACH PARKING SPACED DESIGNATED FOR USE ONLY BY PERSONS WITH DISABILITIES.
- 4. TRANSITION TO CITY OF FRANKLIN CURB WITHIN LAST 5'.
- 5. ALL PAVEMENT MARKINGS SHALL MEET INDOT STANDARDS. PAVEMENT LANE MARKINGS (4") AND STOP BARS (12") SHALL BE TRAFFIC WHITE PAINT.
- 6. ALL PUBLIC/PRIVATE WALKWAYS SHALL NOT EXCEED 2% CROSS SLOPE. ANY WALK CONSTRUCTED WITH A CROSS SLOPE GREATER THAN 2% SHALL BE REMOVED AND REPLACED AT CONTRACTORS EXPENSE.
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS. PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION, NOR SAFETY ON THE JOB SITE, NOR SHALL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER NOR THE PRESENCE OF THE ENGINEER AT A CONSTRUCTION SITE SHALL RELIEVE THE CONTRACTOR OF THEIR OBLIGATIONS, DUTIES, AND RESPONSIBILITIES INCLUDING ANY HEALTH AND SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES.

UTILITY NOTES (SHEET 6)

- 1. COORDINATE THE ELECTRIC SERVICE CONNECTION POINT ON MAIN WITH DUKE
- 2. COORDINATE THE TELEPHONE SERVICE CONNECTION POINT ON MAIN WITH FRONTIER COMMUNICATIONS.
- 5. A STANDARD 1,000 GALLON GREASE TRAP IS REQUIRED FOR THIS PROJECT. REFER TO THE ARCHITECTURAL PLUMBING PLAN, P-501, FOR ADDITIONAL INFORMATION.

GRADING & EROSION CONTROL NOTES (SHEET 5)

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES AND HAVING ALL UNDERGROUND UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION.
- ALL FILL AREAS SHALL BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACING EMBANKMENT MATERIAL. LAWN AREAS THAT HAVE RECEIVED EMBANKMENT MATERIAL SHALL RECEIVE AT LEAST 6" OF TOPSOIL AS THE FINAL COURSE OF FILL IN PREPARATION FOR SEEDING OPERATIONS. ALL LAWN AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE OWNER.
- 3. EMBANKMENT MATERIAL SHALL BE PLACED IN NO MORE THAN 8" LIFTS AND SHALL BE COMPACTED IN ACCORDANCE WITH CASEY'S GENERAL STORE SPECIFICATIONS.
- TEMPORARY SILTATION PROTECTION SHALL BE CONSTRUCTED AS SILT FILTER BASKETS IN ALL EXISTING AND PROPOSED INLETS AND MANHOLES AND SILT FILTER FENCE WHERE INDICATED ON THE PLANS TO PROTECT FROM SILTATION ONTO ADJACENT PROPERTY AND ROADWAYS.
- 5. PERMANENT STABILIZATION SHALL INCLUDE THE SEEDING OR SODDING OF LAWN AREAS DISTURBED AND PAVED SURFACE COURSE FOR ROADWAYS AND PARKING. ALL PERMANENT SEEDING SHALL TAKE PLACE IMMEDIATELY FOLLOWING FINAL GRADING OPERATIONS IN ANY COMPLETED AREA WITHIN THE CONSTRUCTION LIMITS.
- 6. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ON SITE. ALL TRASH AND CONSTRUCTION DEBRIS WILL BE HAULED TO THE LOCAL MUNICIPAL DUMP AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL SOLID WASTE MANAGEMENT REGULATIONS.
- 7. THE CONTRACTOR SHALL PROVIDE SOLID WASTE COLLECTION DURING CONSTRUCTION TO MINIMIZE POLLUTION.

- 8. ROOF DRAINS FROM THE FUEL ISLAND CANOPY SHALL TIE DIRECTLY INTO THE UNDERGROUND DETENTION STRUCTURE. THE ROOF DRAIN CONNECTION SHALL BE PER THE DETENTION STRUCTURE MANUFACTURER'S REQUIREMENTS.
- ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. THE OWNER WILL BE RESPONSIBLE FOR MAINTAINING THESE PROCEDURES DURING CONSTRUCTION.
- 10. THE CONTRACTOR SHALL PROVIDE A STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE DETAIL INCLUDED WITH THESE PLANS AT LOCATIONS INDICATED ON THE PLANS TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ANY EXCESS MUD, DIRT OR ROCK TRACKED ONTO EXISTING STREETS WILL BE CHECKED FOR DAILY AND REMOVED AS NECESSARY.
- 11. PERMANENT GROUND COVER SHALL BE IN ACCORDANCE WITH THE INDOT STANDARD SPECIFICATIONS BOOK.
- 12. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES AND THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT AND AVAILABLE FROM OWNER.
- 13. ADDITIONAL EROSION CONTROL REQUIREMENTS ARE INDICATED IN THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT.
- 14. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED ON THE FIRST DAY OF CONSTRUCTION ACTIVITIES. ALL BARE SOIL SURFACES NOT IN MAJOR CONSTRUCTION AREAS SHALL BE TEMPORARILY SEEDED WITHIN 7 DAYS, WEATHER AND SOIL CONDITIONS PERMITTING. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL SYSTEM

- WEEKLY, AND AFTER RAINFALL EVENTS. DEFICIENCIES SHALL BE NOTED AND CORRECTED IMMEDIATELY. 15. AREAS HAVING SLOPES OF 4:1 OR GREATER SHALL
- BE STABILIZED IN ACCORDANCE WITH ONE OF THE FOLLOWING TWO METHODS: A. SODDING B. EROSION CONTROL BLANKET SHALL BE 100%
- STRAW WITH LIGHTWEIGHT PHOTODEGRADABLE POLYPROPYLENE THREAD WITH STITCHING 1.5 INCHES ON CENTER. MATERIAL SHALL MEET FHWA FP-03 CATEGORIES, TYPE 2.C SHORT-TERM (UP TO 12 MONTHS) EQUAL TO S75 AS MANUFACTURED BY NORTH AMERICAN GREEN. EVANSVILLE. INDIANA OR APPROVED EQUAL. EROSION CONTROL BLANKET SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 16. ALL CATCH BASIN GRATES SHALL BE BICYCLE / PEDESTRIAN SAFE.
- 17. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE MAINTAINED IN SERVICE AND BE REPLACED WITH HDPE OR PVC PIPE STORM SEWER OF APPROPRIATE SIZE AND SLOPE.
- 18. POTABLE TOILETS, IF USED ON SITE, MUST BE SECURED TO THE GROUND AND MUST BE AT LEAST 50 FEET FROM ANY WATER BODY OR STORM CONVEYANCE SYSTEM.

GROUP 2211 WEST BRADLEY AVENUE

CHAMPAIGN, ILLINOIS 61821 (217) 352-7408 / info@f-w.com D/B/A FARNSWORTH ENGINEERING GROUP, INCORPORATED

Engineers | Architects | Surveyors | Scientists

Date: Description:

STORM SEWER NOTES (SHEET 6)

- UNLESS NOTED OTHERWISE, ALL STORM SEWER & SERVICES SHALL BE IN CONFORMANCE WITH THE FOLLOWING:
- 1.1. POLYVINYL CHLORIDE (PVC) PIPE
- A. PIPE & FITTING MATERIAL POLYVINYL CHLORIDE (PVC) PIPE: ASTM D3034
- (SDR-PR) NSF 14. MINIMUM SDR RATING 26. B. GASKETS - FLEXIBLE ELASTOMERIC, ASTM F477
- C. FITTINGS PVC SDR 18 EXTRA HEAVY BY HARCO. ASTM D3034
- D. JOINTS ASTM D3212 E. BEDDING - CLASS II, ASTM 2321

AGGREGATE SURFACE COURSE.

- A. PIPE MATERIAL REINFORCED CONCRETE PIPE B. GASKETS - FLEXIBLE RUBBER OR BITUMINOUS MASTIC
- C. BEDDING CLASS C, ASTM C12.
- 2. ALL UTILITY MAIN AND SERVICE TRENCHES SHALL BE BACKFILLED WITH GRANULAR MATERIAL IN ACCORDANCE WITH THE CURRENT EDITION OF THE "INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS BOOK" WHERE THE TRENCH IS UNDER OR WITHIN 2 FEET OF EXISTING OR PROPOSED, SIDEWALK OR
- SEWER MAINS SHALL CROSS BELOW WATER SERVICES WITH A MINIMUM VERTICAL SEPARATION OF 18 INCHES WHILE STILL MAINTAINING THE REQUIRED DEPTH OF COVER. IF PROPER SEPARATION IS NOT POSSIBLE, OR IF THE SEWER MAIN MUST BE ROUTED ABOVE THE WATER SERVICE, SEWER MAIN ENCASEMENT SHALL BE REQUIRED AND THE SEWER SHALL BE CONSTRUCTED OF WATER MAIN QUALITY PIPE IN ACCORDANCE WITH THE INDIANA PLUMBING CODE.
- 4. SEWER MAIN ENCASEMENT SHALL BE PVC SDR 26 (ASTM D-2241), MINIMUM SIZE OF 12". ENCASEMENT SHALL EXTEND TO 10 FEET EITHER SIDE OF THE WATER SERVICE BEING CROSSED AND THE ENDS SHALL BE PLUGGED SEALED WITH
- 5. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE MAINTAINED IN SERVICE AND BE REPLACED WITH HDPE OR PVC PIPE STORM SEWER OF APPROPRIATE SIZE AND SLOPE.

SANITARY SERVICE & WATERMAIN SERVICE NOTES (SHEET 6)

- 1. UNLESS NOTED OTHERWISE, ALL SANITARY SEWER & SERVICES SHALL BE IN
 - CONFORMANCE WITH THE FOLLOWING: A. PIPE & FITTING MATERIAL - POLYVINYL CHLORIDE (PVC) PIPE: ASTM D3034
 - (SDR-PR) NSF 14. MINIMUM SDR RATING 26.
- B. GASKETS FLEXIBLE ELASTOMERIC, ASTM F477
- FITTINGS PVC SDR 18 EXTRA HEAVY BY HARCO. ASTM D3034
- JOINTS ASTM D3212 BEDDING - CLASS II, ASTM 2321
- 2. ALL UTILITY MAIN AND SERVICE TRENCHES SHALL BE BACKFILLED WITH GRANULAR MATERIAL IN ACCORDANCE WITH THE CURRENT EDITION OF THE "INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS BOOK" WHERE THE TRENCH IS UNDER OR WITHIN 2 FEET OF EXISTING OR PROPOSED, SIDEWALK OR AGGREGATE SURFACE COURSE.
- 3. SEWER MAINS SHALL CROSS BELOW WATER SERVICES WITH A MINIMUM VERTICAL SEPARATION OF 18 INCHES WHILE STILL MAINTAINING THE REQUIRED DEPTH OF COVER. IF PROPER SEPARATION IS NOT POSSIBLE, OR IF THE SEWER MAIN MUST BE ROUTED ABOVE THE WATER SERVICE, SEWER MAIN ENCASEMENT SHALL BE REQUIRED AND THE SEWER SHALL BE CONSTRUCTED OF WATER MAIN QUALITY PIPE IN ACCORDANCE WITH THE INDIANA PLUMBING CODE.
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Jahren .

PATRICK J. MOONE

INDIANA PROFESSIONAL ENGINEER NO. 11012297

EXPIRES <u>07/31/16</u>

- 5. ALL WATER SERVICES SHALL BE IN CONFORMANCE WITH THE FOLLOWING. A. ALL WATER SERVICES SHALL BE 1 1/2" COPPER PIPE, TYPE K.
- B. 1 1/2" CTS HDPE, SDR9 C5-200PSI.

11012297

PROFESSIONAL

ENGINEER

OF

MATON!

10/28/15 DATE:

REGISTERED

C. DEPTH OF COVER SHALL BE 48" MIN

CITY OF FRANKLIN JOHNSON CO., INDIANA

MARKETING COMPANY

Date:		10)-28-1
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PROJECT:

CASEY'S

GENERAL NOTES

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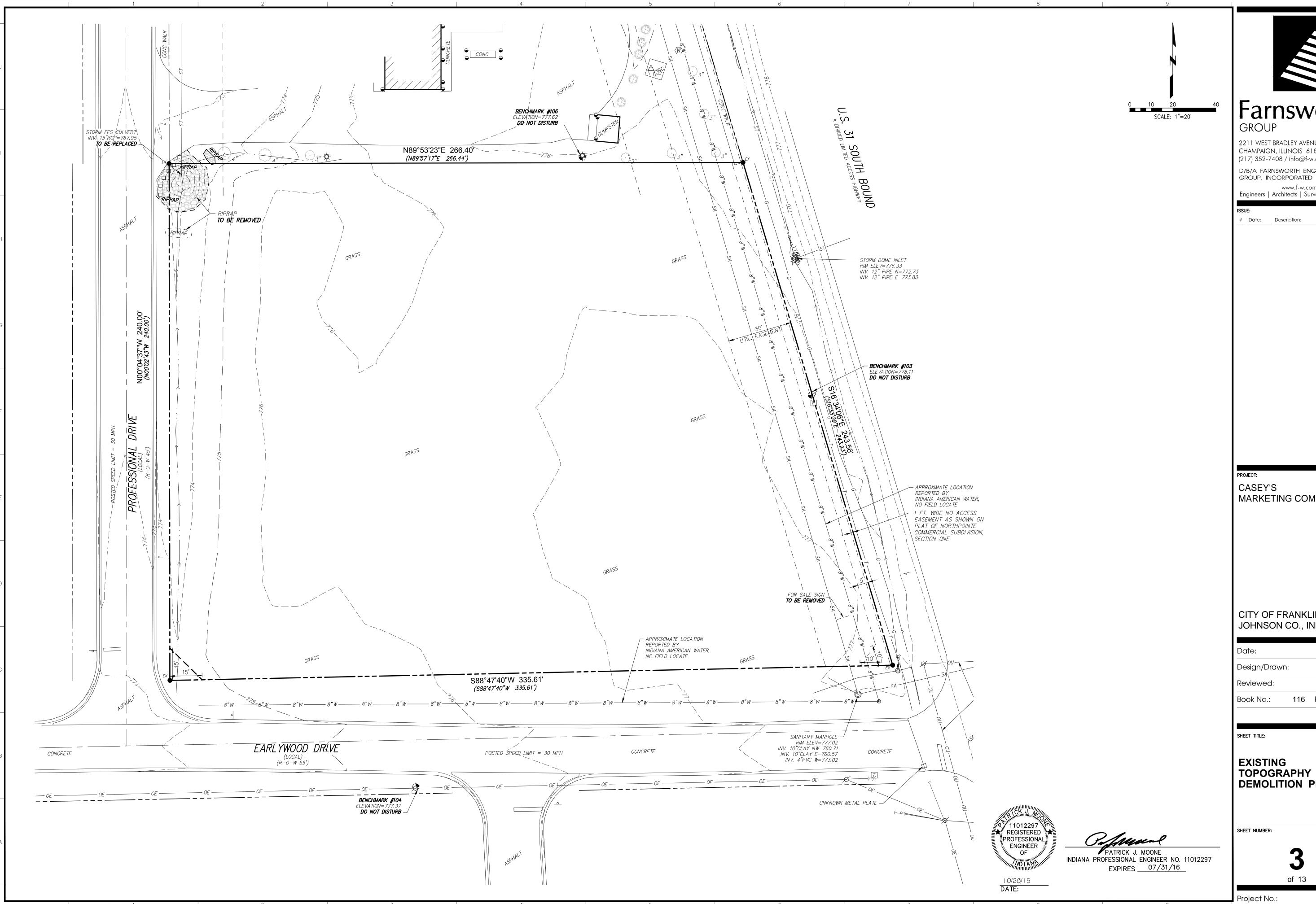
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Project No.:

3. COORDINATE THE GAS SERVICE CONNECTION POINT ON ON WITH VECTREN.

4. ALL CLEAN-OUTS (SANITARY AND STORM), THAT ARE BUILT IN CONCRETE PAVEMENT AREAS, SHALL BE R-1976.



Farnsworth GROUP

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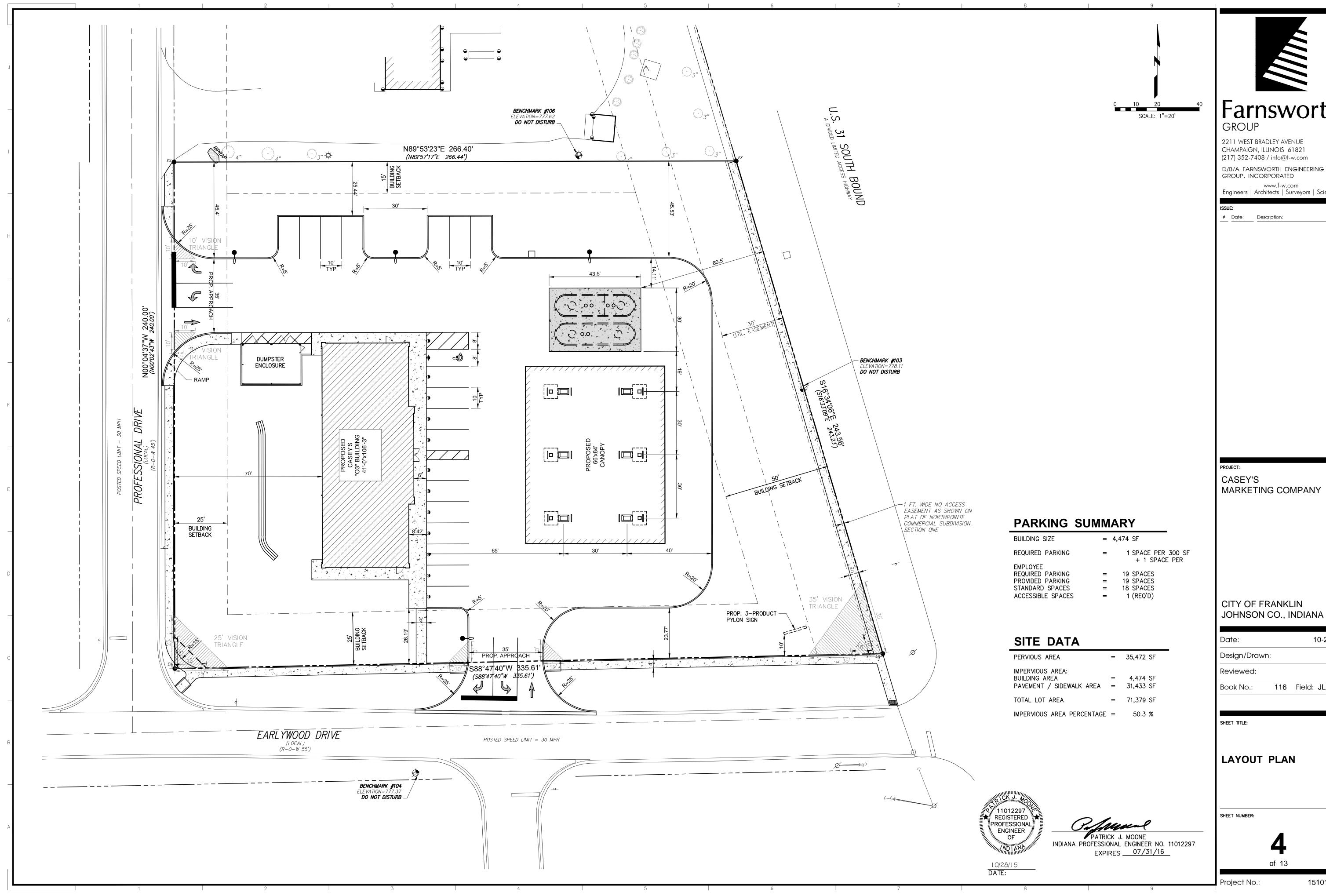
MARKETING COMPANY

CITY OF FRANKLIN JOHNSON CO., INDIANA

Date:	10-28-15		
Design/Drawn:			GAB
Reviewed:			PJM
Book No.:	116	Field:	JL / RN

EXISTING TOPOGRAPHY & DEMOLITION PLAN

SHEET NUMBER:



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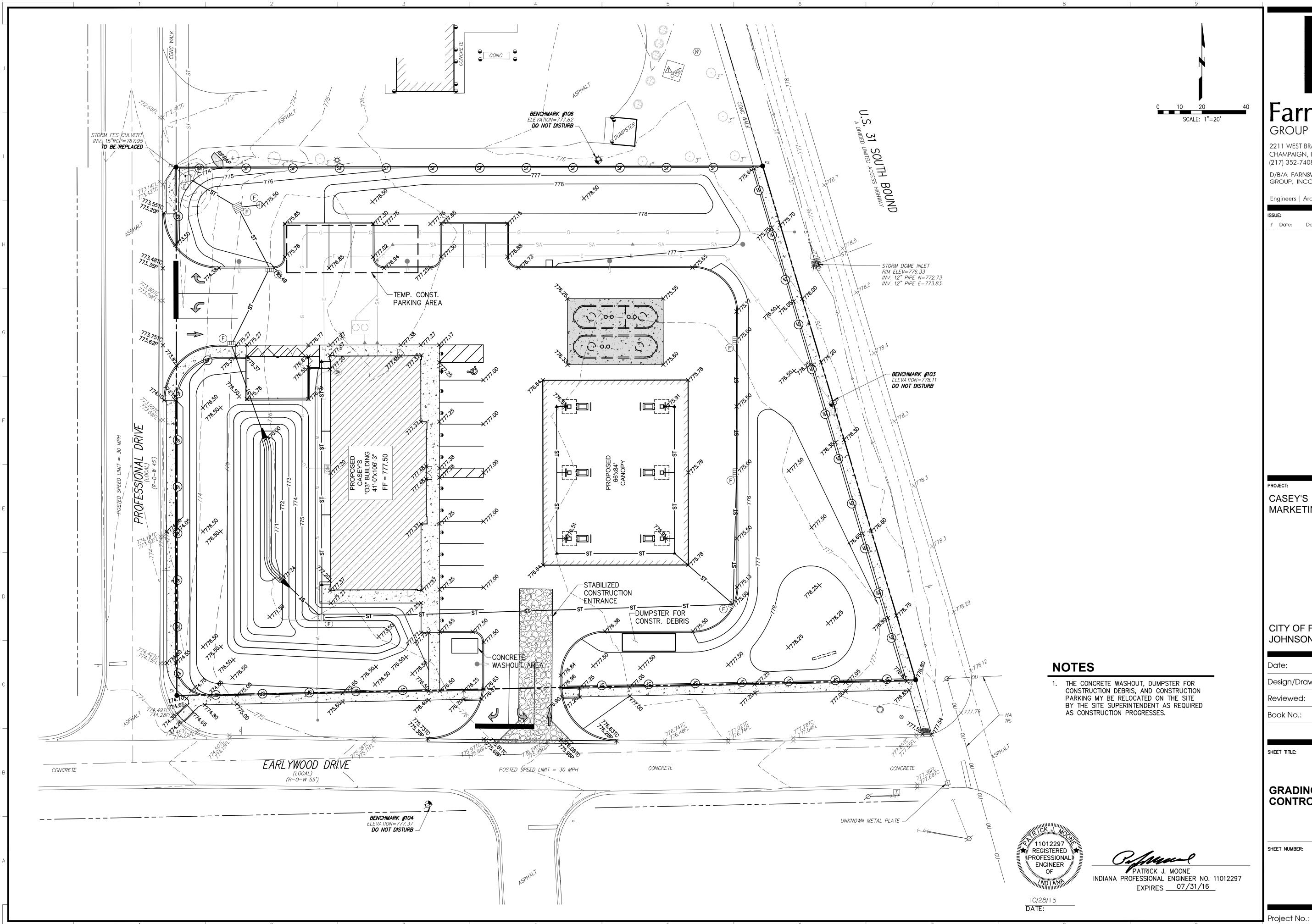
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CITY OF FRANKLIN

10-28-15 GAB PJM 116 Field: JL/RN

of 13



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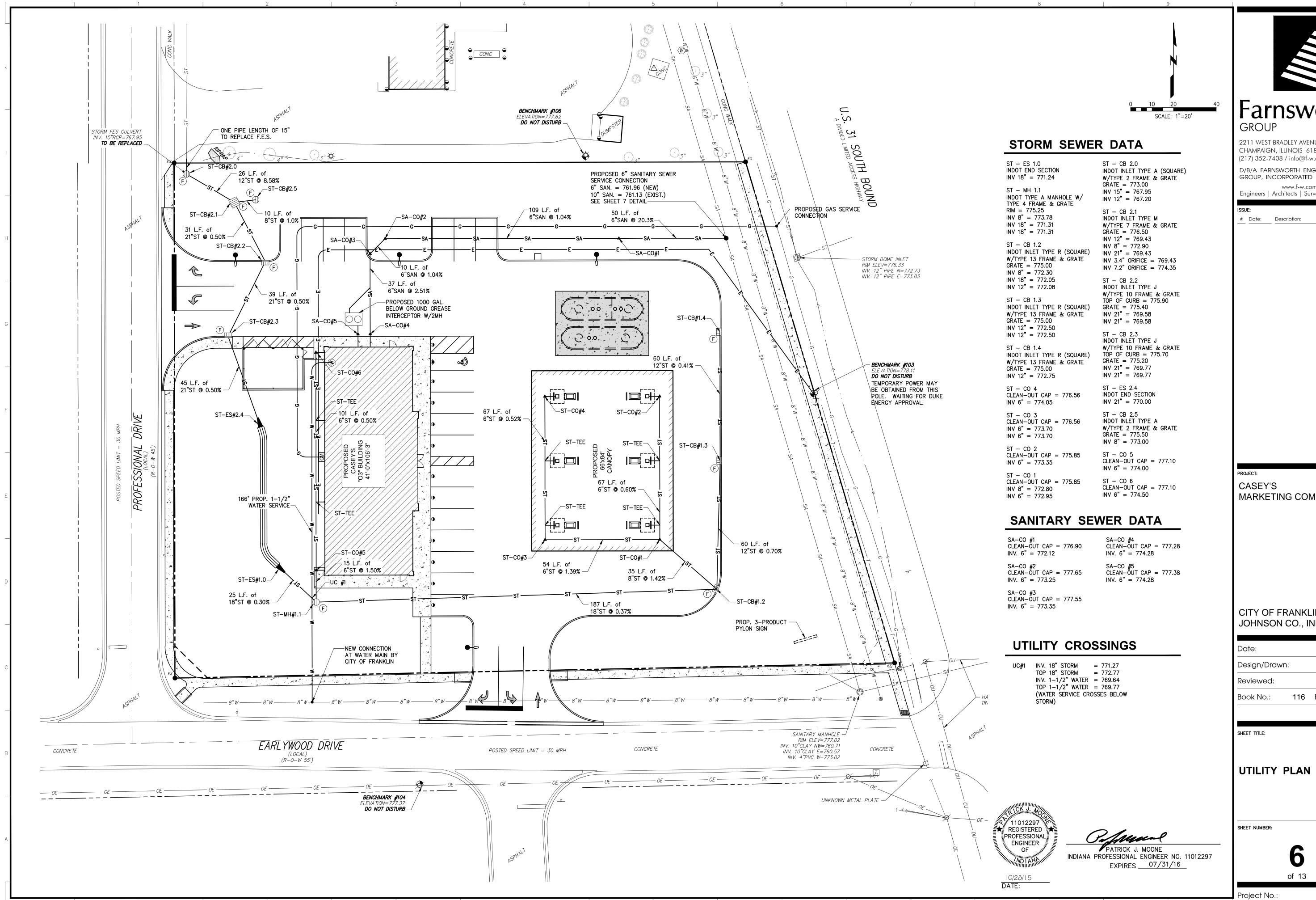
CITY OF FRANKLIN JOHNSON CO., INDIANA

Date:		10-28-15		
Design/Drawn:	GAB			
Reviewed:		PJM		
Book No.:	116	Field: JL/RN		

GRADING & EROSION CONTROL PLAN

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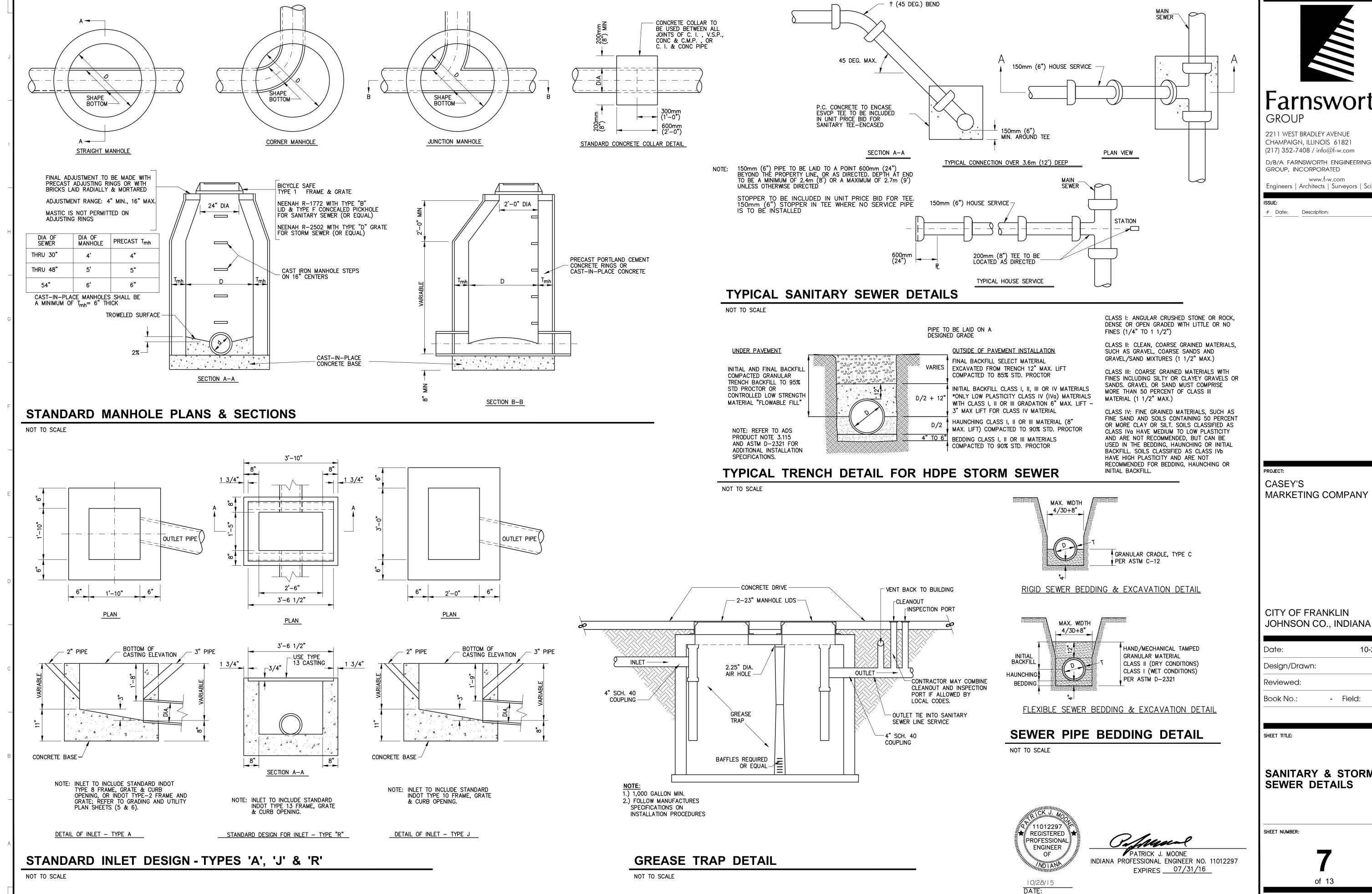
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10-28-15 GAB Design/Drawn: PJM Reviewed: 116 Field: JL/RN Book No.:

UTILITY PLAN

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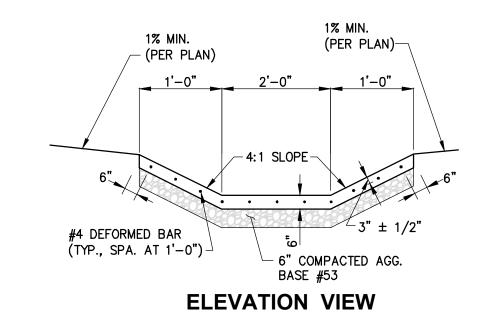
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10-28-15 Design/Drawn: PJMReviewed: Field: Book No.:

SANITARY & STORM SEWER DETAILS

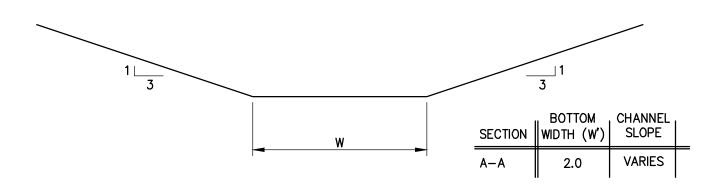
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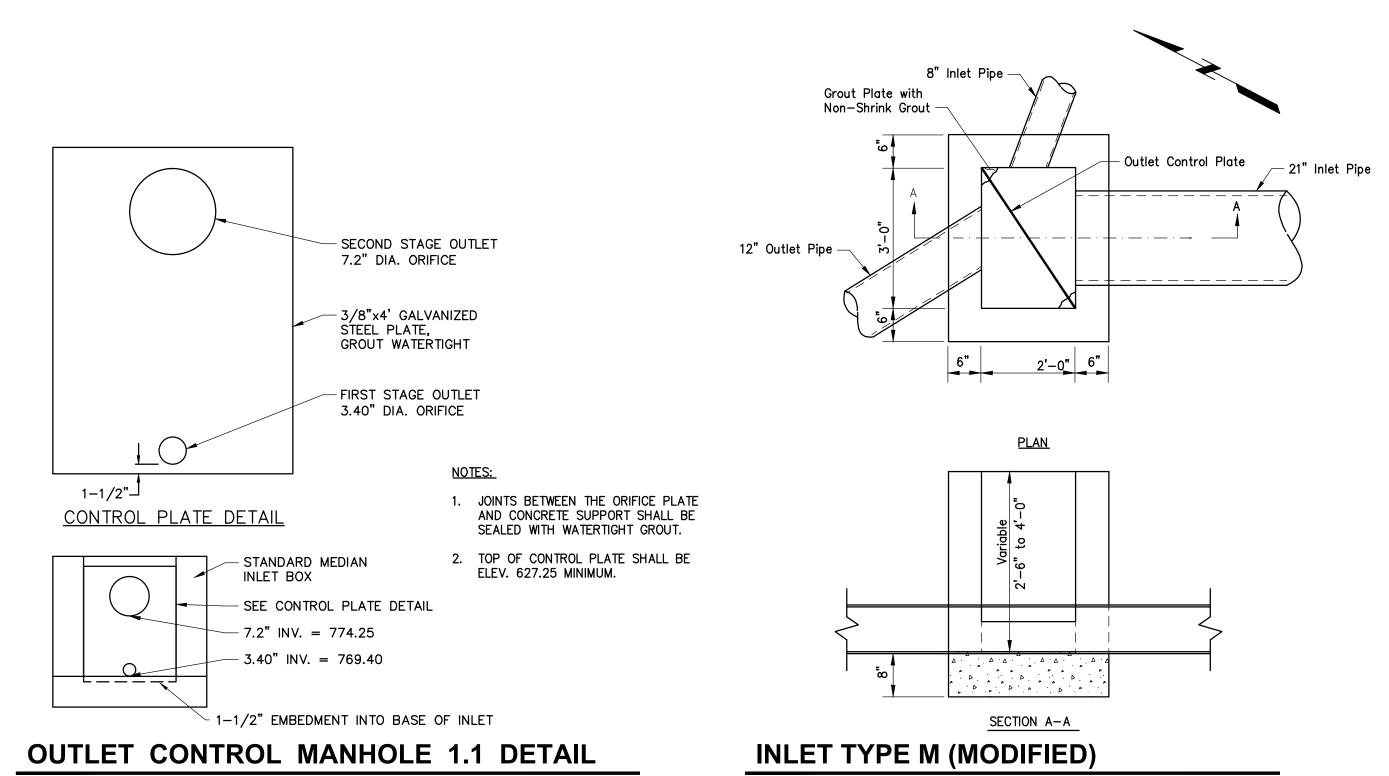
CONCRETE CHANNEL DETAIL

NOT TO SCALE

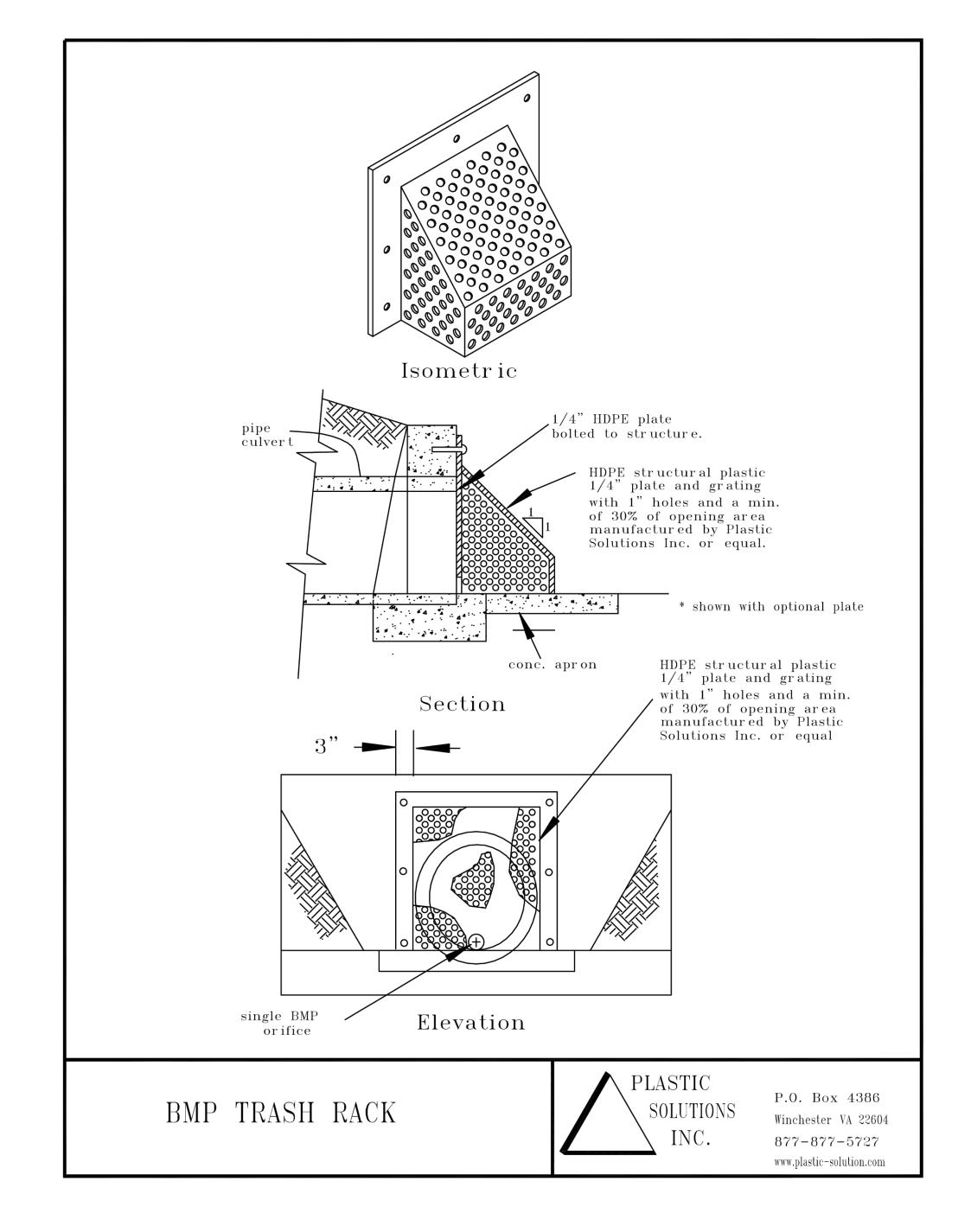


TYPICAL DITCH SECTION DETAIL A-A

NOT TO SCALE



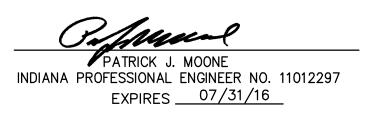
NOT TO SCALE



TRASH RACK DETAIL

NOT TO SCALE





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10-28-15 Design/Drawn: PJM Reviewed: - Field: Book No.:

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STORM SEWER DETAILS

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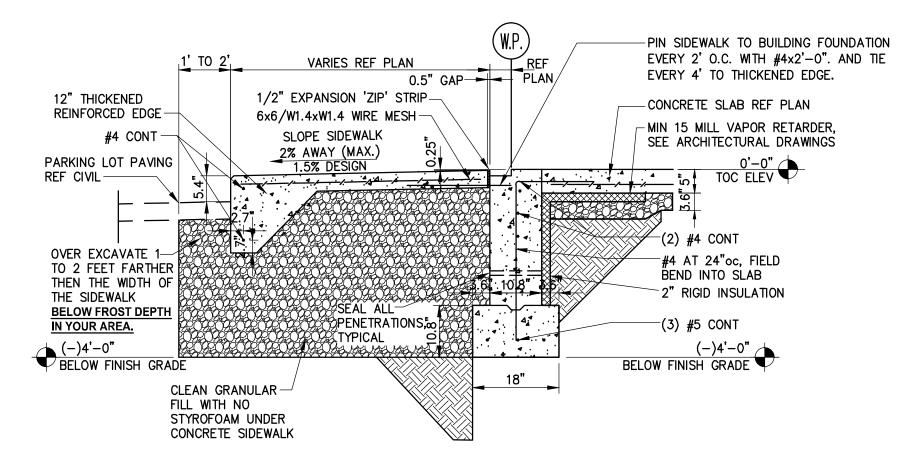
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10/28/15 DATE:

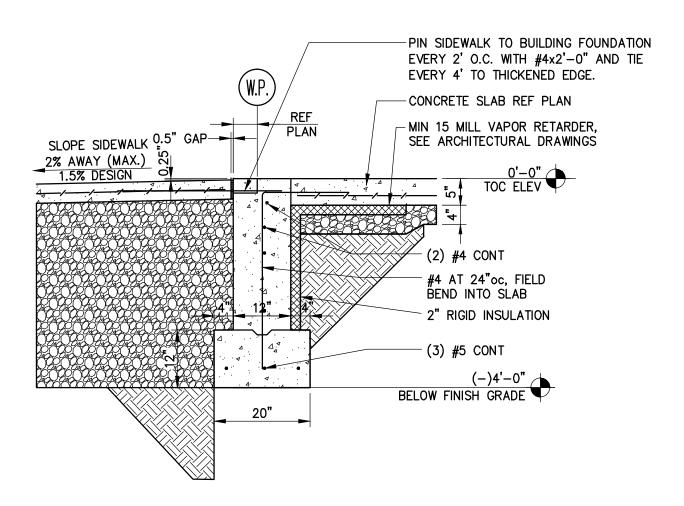
SIDEWALK SECTION RAMP DETAIL

NOT TO SCALE



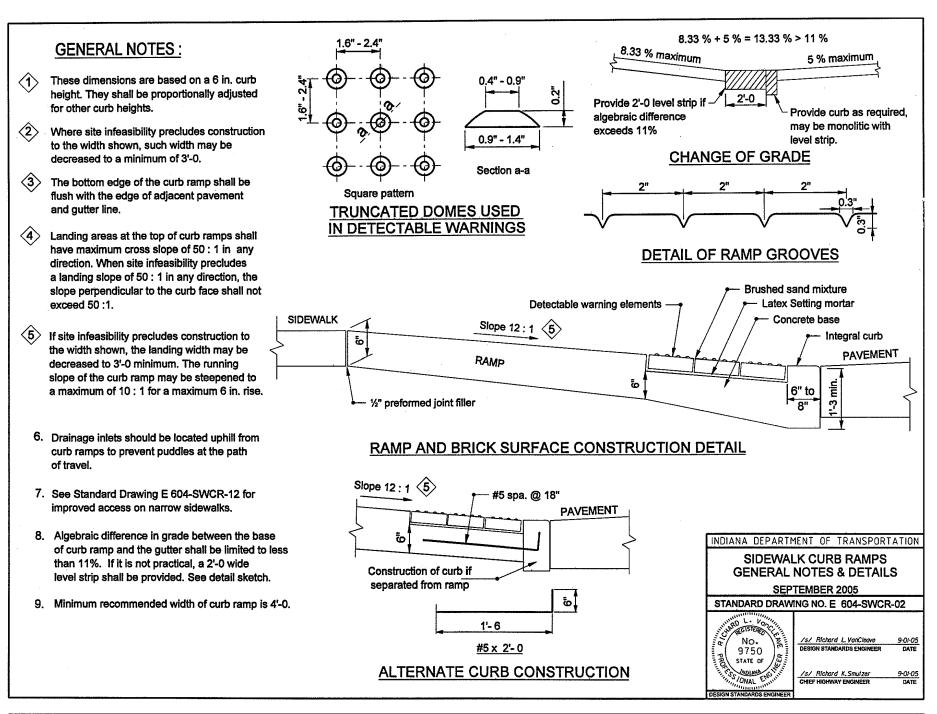
SIDEWALK TYPE SPECIAL DETAIL

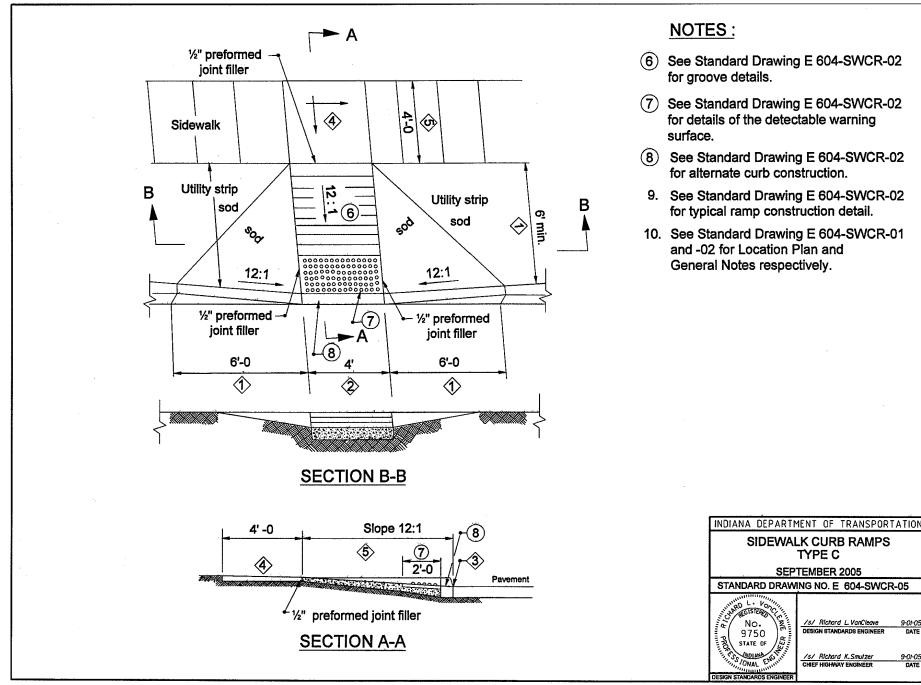
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DOOR THRESHOLD DETAIL

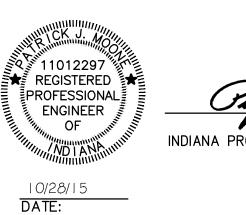
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ACCESSIBLE RAMP DETAILS

NOT TO SCALE



Soffeen PATRICK J. MOONE INDIANA PROFESSIONAL ENGINEER NO. 11012297 EXPIRES ____07/31/16

Farnsworth GROUP 2211 WEST BRADLEY AVENUE CHAMPAIGN, ILLINOIS 61821 (217) 352-7408 / info@f-w.com D/B/A FARNSWORTH ENGINEERING GROUP, INCORPORATED

Engineers | Architects | Surveyors | Scientists

Date: Description:

CASEY'S MARKETING COMPANY

CITY OF FRANKLIN JOHNSON CO., INDIANA

10-28-15 Design/Drawn: PJM Reviewed: - Field: Book No.:

STANDARD SITE DETAILS

SHEET NUMBER:

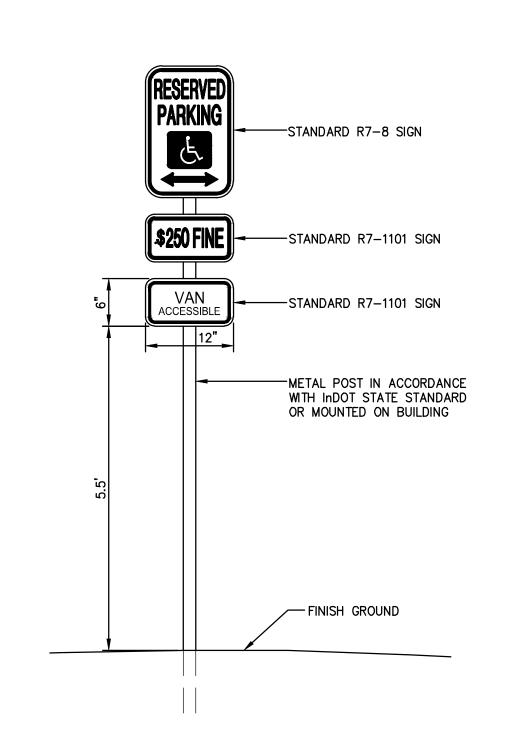
of 13

151019.02

Project No.:

NOT TO SCALE

CONCRETE CURB & GUTTER (MODIFIED)



ACCESSIBLE SIGNAGE DETAIL

FOR TURF INSTALLATION

NOT TO SCALE



NOTES:

- 1. ALL DIMENSIONS IN INCHES. THIS SIGN TO BE USED WITH R7-1101.
- 2. THIS SIGN SHALL BE PLACED AT ALL HANDICAP PARKING SPACES.
- 3. THE ARROW SHOULD BE OMITTED WHERE THERE IS ONLY ONE SPACE. THE ARROW MAY ALSO BE MADE TO POINT IN ONLY ONE DIRECTION. THE ARROW MAY ALSO BE REPLACED BY "TIME" SUCH AS 9 AM - 5 PM WHERE A PART TIME RESTRICTION EXISTS.
- 4. THIS IS A STANDARD SIGN AND MAY BE ORDERED FROM ANY TRAFFIC SIGN SUPPLIER BY NUMBER. THE ARROW SHOULD BE OMITTED WHERE THERE IS ONLY ONE SPACE. THE ARROW MAY ALSO BE MADE TO POINT IN ONLY ONE DIRECTION. THE ARROW MAY ALSO BE REPLACED BY "TIME" SUCH AS 9AM-5PM WHERE A PART TIME RESTRICTION EXISTS. THE SIGN MUST BE SUPPLEMENTED WITH THE STANDARD R7-1101 PLATE GIVING THE AMOUNT OF THE FINE FOR ILLEGALLY PARKING IN THE RESERVED SPACE(S).

5. COLORS:

LEGEND AND BORDER - GREEN WHITE SYMBOL ON BLUE BACKGROUND BACKGROUND – WHITE

* REDUCE SPACING 50% ** SEE APPENDIX "E" FOR SYMBOL PROPORTIONS

6.0% FROM EDGE
OF PAVEMENT

2% FROM TOP

<u>SECTION</u>

-TOOLED CONSTRUCTION JOINTS

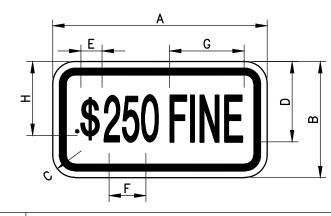
OF CURB

— 4" Р.С.

CONC. SIDEWALK

STANDARD ACCESSIBLE SIGN R7-8

NOT TO SCALE



SIGN		DIMENSIONS								
SIZE		Α	В		С	D	Ε	F	G	Н
12x6		12.0	6.0	1	.5	4.5	1.1	3.0	5.5	3.0
_										_
SIGN SERIES SIZE LINES		М	ARGIN	BORD	ER	BLK STD				

NOTES:

1. ALL DIMENSIONS IN INCHES. THIS SIGN TO BE USED WITH R7-8 (*\$=Series 3A "s")

12x6 | 1/3A | 0.37 | 0.37 | B5-126

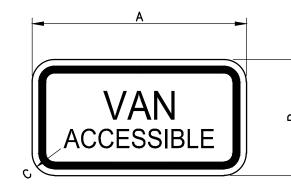
- 2. THIS SIGN SHALL BE PLACED AT ALL HANDICAP PARKING SPACES.
- 3. THIS PLATE MAY BE MOUNTED DIRECTLY BELOW THE R7-8 SIGN OR COMBINED WITH THAT SIGN ON A SINGLE 12 INCH BY 24 INCH PANEL. FOR A FINE OF \$200, USE F=4.0 AND G=4.0 (REDUCE LETTER TO
- 4. COLORS:

LEGEND AND BORDER - GREEN NON-REFLECTORIZED BACKGROUND WHITE REFLECTORIZED

LETTER SPACING AS NECESSARY TO FIT).

STANDARD ACCESSIBLE SIGN R7-1101

NOT TO SCALE



SIGN	DIMENSIONS			
SIZE	Α	В	С	
12x6	12.0	6.0	1.5	
•	•			

SIGN SIZE	SERIES LINES MARGIN		MARGIN BORDER STE		
12x6	1/3A	0.37	0.37	B5-126	

1. ALL DIMENSIONS IN INCHES. THIS SIGN TO BE USED WITH R7-8.

WHITE REFLECTORIZED

COLORS:

BACKGROUND

LEGEND AND BORDER - GREEN NON-REFLECTORIZED

VAN ACCESSIBLE SIGN R7-1101

NOT TO SCALE

CASEY'S

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-SIGNAGE: INSTALL ON POST WITHIN DRIVE 12" OFF SIDEWALK AS SITE CONDITIONS REQUIRE - SEE ADDITIONAL DETAILS NO PARKING STRIPING: PAINT ACCESS ISLE AND AREA BEHIND PARKING SPACE ADJACENT TO BUILDING ENTRY SIDEWALK WITH ANGLED STRIPING AS INDICATED; PAVEMENT PAINT: BLUE

HANDICAPPED PARKING SPACE DETAIL

NOT TO SCALE



DATE:

S. Januar PATRICK J. MOONE INDIANA PROFESSIONAL ENGINEER NO. 11012297 EXPIRES ____07/31/16

CITY OF FRANKLIN JOHNSON CO., INDIANA

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−1/8" MIN. SAWED GROOVE **SAWED JOINT TIED CONSTRUCTION JOINT** --- #4 BARS AT 30" CENTERS

EXPANSION JOINT

BITUMINOUS PREFORMED JOINT FILLER EXTEND 1" BELOW BOTTOM OF PAV'T.

INSTALL AT ALL RPC'S AND BETWEEN POURS.

KEYED CONSTRUCTION

JOINT -MIN. PAV'T THICKNESS @ JOINT-8"

PAVEMENT SAW JOINTS

15' | 15' | 15' | 15'

JOINT

-SAWED CONTRACTION —EXPANSION JOINT AT RADIUS RETURN AND AT 500' INTERVALS

TYP. - 4" P.C. CONC. SIDEWALK <u>PLAN</u>

PUBLIC STREET —

PUBLIC SIDEWALK

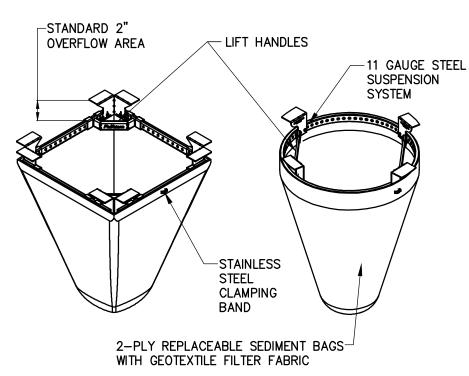
CONCRETE JOINTING & SIDEWALK DETAILS

NOT TO SCALE

of 13

TYPICAL CURB BOX

INLET FILTER



TYPICAL FLAT/RECTANGULAR/ROLLED CURB TYPICAL ROUND INLET FILTER

IPP FLe Xstorm Inlet Filter Specifications						
Material Property	Test Method	Value (min ave)				
> Inner Filter Bag Specs	(2 ft ³ min vol)	Non-Woven	Woven Mono			
Grab Tensile	ASTM D 4632	100 bs	200 lbs			
Puncture Strength	ASTM D 4833	65 lbs	90 lbs			
Trapezoidal Tear	ASTM D 4533	45 lbs	75 lbs			
UV Resistance	ASTM D 4355	70% at 500 hrs	90%			
App Open Size (AOS)	ASTM D 4751	70 sieve (.212 mm)	40 sieve (.425 mm)			
Permittivity	ASTM D 4491	2.0 /sec	2.1/sec			
Water Flow Rate	ASTM D 4491	145 gpm/sqft	145 gpm/sqft			
> Polyester Outer Reinf	orcement Bag Spe	ecifications				
Weight	ASTM D 3776	4.55 oz/s q	yd +/- 15%			
Thickness	ASTM D 1777	.040 +/005				
> Frame Construction						
A36 Structural Steel; Tensile Strength > 58,000 psi;						

INSTALLATION: 1. REMOVE GRATE DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE

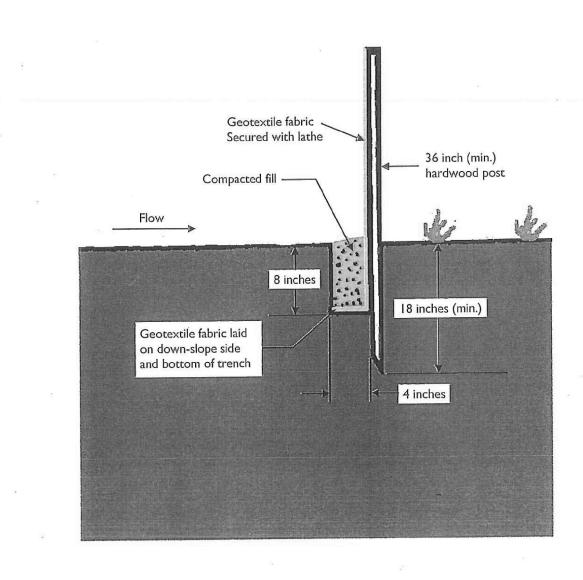
REPLACE GRATE

INLET FILTER

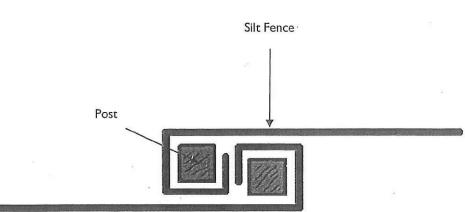
IPP FLEXSTORM INLET FILTER DETAIL

NOT TO SCALE

11 Guage; Zinc Plated



Yield Strength > 36,000 psi



SILT FENCE DETAIL

NOT TO SCALE

EROSION CONTROL NOTES

TEMPORARY CONSTRUCTION ENTRANCE / EXIT

INSTALLATION:

- 1. CLEAR AND GRUB AREA FOR THE TEMPORARY CONSTRUCTION ENTRANCE/EXIT
- 2. GRADE FOUNDATION FOR POSITIVE DRAINAGE.
- 3. PLACE GEOTEXTILE FABRIC ON GRADED FOUNDATION 4. PLACE AGGREGATE (INDOT CA NO. 2) TO A DEPTH OF 4" AND
- SLOPE FOR DRAINAGE
- 5. TOP DRESS THE AGGREGATE WITH 2" OF INDOT CA NO. 53 6. DIVERT STORMWATER AWAY FROM THE PAD AND PUBLIC RIGHT OF WAY

MAINTENANCE

- RESHAPE PAD AS NEEDED FOR DRAINAGE CONTROL TOP DRESS WITH CA NO. 53 AS NEEDED
- 4. REMOVE MUD AND DEBRIS FROM PAD TO PREVENT TRACKING OF
- MATERIAL ONTO PUBLIC RIGHT OF WAYS 5. REMOVE THE STONE AND GEOTEXTILE FABRIC UPON COMPLETION OF PROJECT

SILT FENCE

INSTALLATION:

INSTALL SILT FENCE PARALLEL TO THE CONTOUR OF THE SLOPE EXCAVATE AN 8" X 4" TRENCH ALONG THE SILT FENCE LINE

INSTALL THE SILT FENCE WITH FILTER FABRIC LOCATED ON THE

UP-SLOPE OF THE TRENCH AND STAKES ON THE DOWN-SLOPE

- SIDE OF THE TRENCH 4. DRIVE THE STAKES AT LEAST 18" INTO THE GROUND.
- STRETCH THE FILTER FABRIC BETWEEN THE POSTS 5. LAY THE LOWER FOUR INCHES OF THE FILTER FABRIC ON THE
- BOTTOM OF THE TRENCH 6. BACKFILL THE TRENCH AND COMPACT IN PLACE.

1. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST

- EVERY 7 DAYS 2. REPLACE THE SILT FENCE IF THE FABRIC TEARS, STARTS TO DECOMPOSE, OR OTHERWISE IS INEFFECTIVE
- REMOVE DEPOSITED SEDIMENT WHEN THE FILTER FABRIC REACHES THE ONE-HALF POINT OR BULGES DUE TO THE ACCUMULATION OF THE SEDIMENT.

CONCRETE WASHOUT

INSTALLATION:

- LOCATE WASHOUT AREA AND GRADE THE BASE AND REMOVE
- ROCKS AND OTHER DEBRIS FROM AREA. 2. INSTALL THE POLETHELYNE LINING. THE LINING SHOULD BE INSTALLED OVER THE POOLING AREA AND WITH ENOUGH MATERIAL COMPOST MULCHING TO EXTEND OVER THE BERM AREA. FASTEN THE LINING WITH
- PINS, STAPLE OR OTHER FASTENERS. 3. PLACE FLAGS OR SAFETY FENCING AROUND THE AREA TO
- PROVIDE A BARRIER TO CONSTRUCTION EQUIPMENT AND TRAFFIC 4. INSTALL SIGNAGE TO IDENTIFY THE WASHOUT AREA.

MAINTENANCE

- INSPECT DAILY AND WITHIN 24 HOURS OF A RAIN EVENT 2. INSPECT THE INTEGRITY OF THE WASHOUT AREA AND CHECK FOR
- LEAKS, SPILLS OR TRACKING OF SOIL BY EQUIPMENT 3. CHECK THE LINING FOR TEARS AND PUNCTURES; REPLACE IF
- 4. REMOVE AND DISPOSE OF CONCRETE THAT HAS HARDENED, AND WHEN THE BASIN REACHES 50% OF CAPACITY. DISPOSE OF THE CONCRETE IN A LEGAL MANNER
- 5. REPAIR THE STRUCTURE AS NECESSARY ONCE THE CONCRETE HAS BEEN REMOVED
- 6. INSTALL A NEW LINER AFTER EVERY CLEANING OF THE CONCRETE MATERIAL FROM THE BASIN
- 7. INSPECT THE CONSTRUCTION SITE REGULARLY TO MAKE SURE CONTRACTORS AND SUPPLIERS ARE USING THE WASHOUT AREA. IF VIOLATIONS ARE NOTED, CLARIFY REQUIREMENTS WITH THE OFFENDING PARTY.
- 8. WHEN THE WASHOUT AREA IS NO LONGER REQUIRED, DISPOSE OF ANY CONCRETE WITHIN THE BASIN AND THE LINER AS NOTED ABOVE. BACKFILL, GRADE AND STABILIZE THE WASHOUT AREA FOR FINAL USE AS DESIGNATED ON THE PLANS.

OUTLET OR CHANNEL.

NOT TO SCALE

FLEXSTORM INLET FILTERS

INSTALLATION:

- 1. IDENTIFY STORM INLETS ONSITE AND OFFSITE THAT WILL NEED FILTERS. VERIFY FILTER SIZES AND INSTALL FOR INLETS AS
- SHOWN ON THE GRADING PLAN. 2. ENSURE INLET GRATE IS PROPERLY SEATED IN THE INLET FRAME TO HOLD THE INLET FILTER IN PLACE

MAINTENANCE

- 1. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST EVERY 7 DAYS
- 2. REPLACE THE INLET FILTER IF THE FABRIC TEARS, STARTS TO DECOMPOSE, OR OTHERWISE IS INEFFECTIVE
- REMOVE DEPOSITED SEDIMENT WHEN THE INLET FILTER REACHES THE ONE-HALF OF ITS CAPACITY

PERMANENT SEEDING

INSTALLATION:

- 1. APPLY THE SEED UNIFORMLY THROUGH THE USE OF A
- BROADCAST SEEDER
- 2. ENSURE GOOD SEED TO SOIL CONTACT BY FIRMING THE SEEDBED WITH A ROLLER
- 3. MULCH THE SEEDED AREAS

MAINTENANCE

- 1. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST
- 2. CHECK FOR EROSION OF SOIL OR MULCH; REPLACE OR REPAIR
- AS NECESSARY 3. FERTILIZE AFTER ONE YEAR AS NECESSARY TO HELP MAINTAIN AND ESTABLISH GROWTH

TEMPORARY SEEDING

INSTALLATION:

- SELECT SEED MIXTURE BASED UPON NEED AND TIME OF YEAR TO BE INSTALLED. REFER TO TABLE 1 ON PAGE 32 OF THE INDIANA SWQM
- 2. APPLY THE SEED UNIFORMLY WITH A BROADCAST SPREADER 3. APPLY MULCH COVER

- 1. INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST EVERY 7 DAYS
- 2. CHECK FOR EROSION OF SOIL OR MULCH; REPLACE OR REPAIR AS NECESSARY
- MONITOR FOR EROSION DAMAGE AND ADEQUATE COVER (80% DENSITY). RESEED, FERTILIZE AND APPLY MULCH IF NECESSARY.

- COMPACTED SOIL

3.0 FT. MIN.

2. THE CHANNEL BEHIND THE DIKE SHALL HAVE A POSITIVE GRADE TO A STABILIZED OUTLET. IF

3. THE DIVERTED RUNOFF, IF FREE OF SEDIMENT, MUST BE RELEASED THROUGH A STABILIZED

THE CHANNEL SLOPE IS LESS THAN OR EQUAL TO 2%, NO STABILIZATION IS REQUIRED. IF THE

SLOPE IS GREATER THAN 2%, THE CHANNEL SHALL BE STABILIZED PER THE ILLINOIS URBAN

1. 1-1/2:1 OR FLATTER, ALONG WITH A MINIMUM BASE WIDTH OF 3.0 FEET.

TEMPORARY DIVERSION DIKE

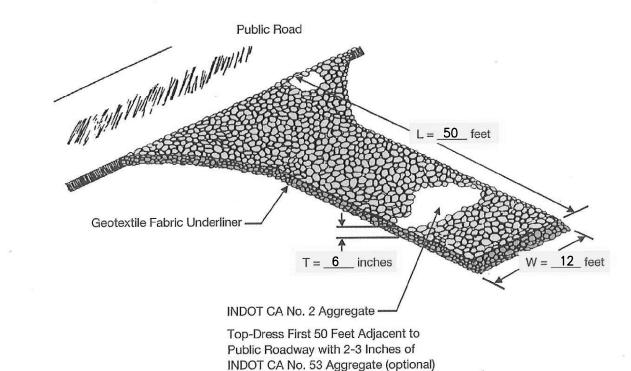
→ FLOW

- REMOVE EXISTING ROCKS, LARGE SOIL CLODS, STUMPS, ROOTS
- AND EXISTING VEGETATION 2. SCARIFY SLOPE AREA
- AERATE AREAS TO BE COVERED BY MULCH
- BROADCAST A MINIMUM OF 1 POUND OF NITROGEN, 1/2 POUND OF PHOSPHOROUS AND 1/2 POUND OF POTASH PER 1000 SF OF AREA
- APPLY COMPOST TO AREA WITH A PNEUMATIC BLOWER WITHIN 3 DAYS OF AERATION. APPLY SEED AT TIME OR INSTALLATION IF
- WATER COMPOST MULCH FOR A PERIOD OF 60 DAYS FOLLOWING APPLICATION. a. MIST BLANKET FOR FIRST SEVEN DAYS THEN EVERY THREE DAYS FOR THE 60 DAY PERIOD

b. MAINTAIN MOISTURE CONTENT AT 40-60%

- INSPECT THE MULCH AREA WITHIN 24HOURS OF A RAINFALL
- EVENT AND AT LEAST EVERY 7 DAYS
- REPAIR ERODED AREAS 3. RESEED IF APPLICABLE

Temporary Construction Ingress/Egress Pad (Large Sites - Two Acres or Larger)

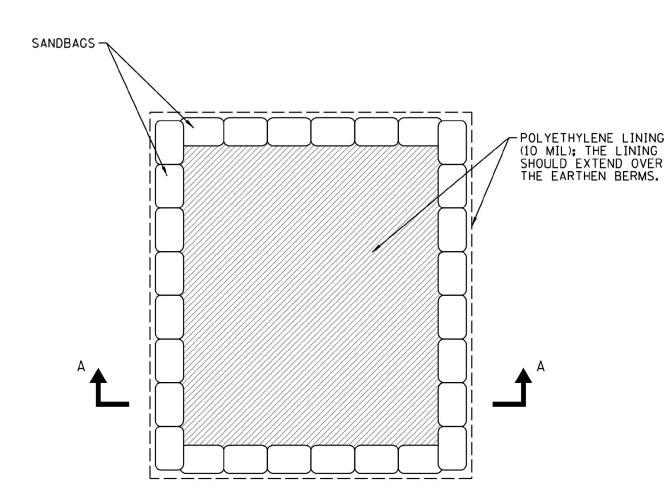


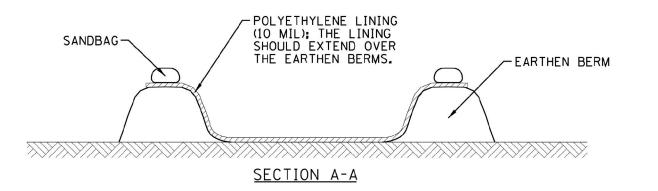
T = Aggregate Thickness **CONSTRUCTION ENTRANCE DETAIL**

L = Ingress/Egress Pad Length

W = Ingress/Egress Pad Width

NOT TO SCALE





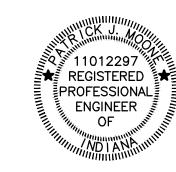
1. LAYDOWN YARD CONCRETE WASHOUT TO BE USED FOR DRUM WASHOUT,

2.LAYDOWN YARD CONCRETE WASHOUT SHALL BE SIZED TO CONTAIN APPROXIMATELY 4000 GALLONS/DAY AND TO CONTAIN RUNOFF THAT DRAINS TO AND ENTERS THE SYSTEM FOR A TWO-YEAR FREQUENCY, 24-HOUR STORM EVENT AND FOR A MINIMUM 12-INCH FREEBOARD PER THE INDIANA STORM WATER QUALITY MANUAL.

3.SIGNS TO BE INSTALLED PER INDIANA STORM WATER QUALITY MANUAL.

CONCRETE WASHOUT AREA DETAIL

NOT TO SCALE



10/28/15

DATE:

Innue PATRICK J. MOONE INDIANA PROFESSIONAL ENGINEER NO. 11012297 EXPIRES ____07/31/16

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CITY OF FRANKLIN JOHNSON CO., INDIANA

10-28-15 Design/Drawn: PJM Reviewed: Book No.: Field:

EROSION CONTROL & MISCELLANEOUS **DETAILS**

SHEET NUMBER:

of 13

Project No.:

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Farnsworth

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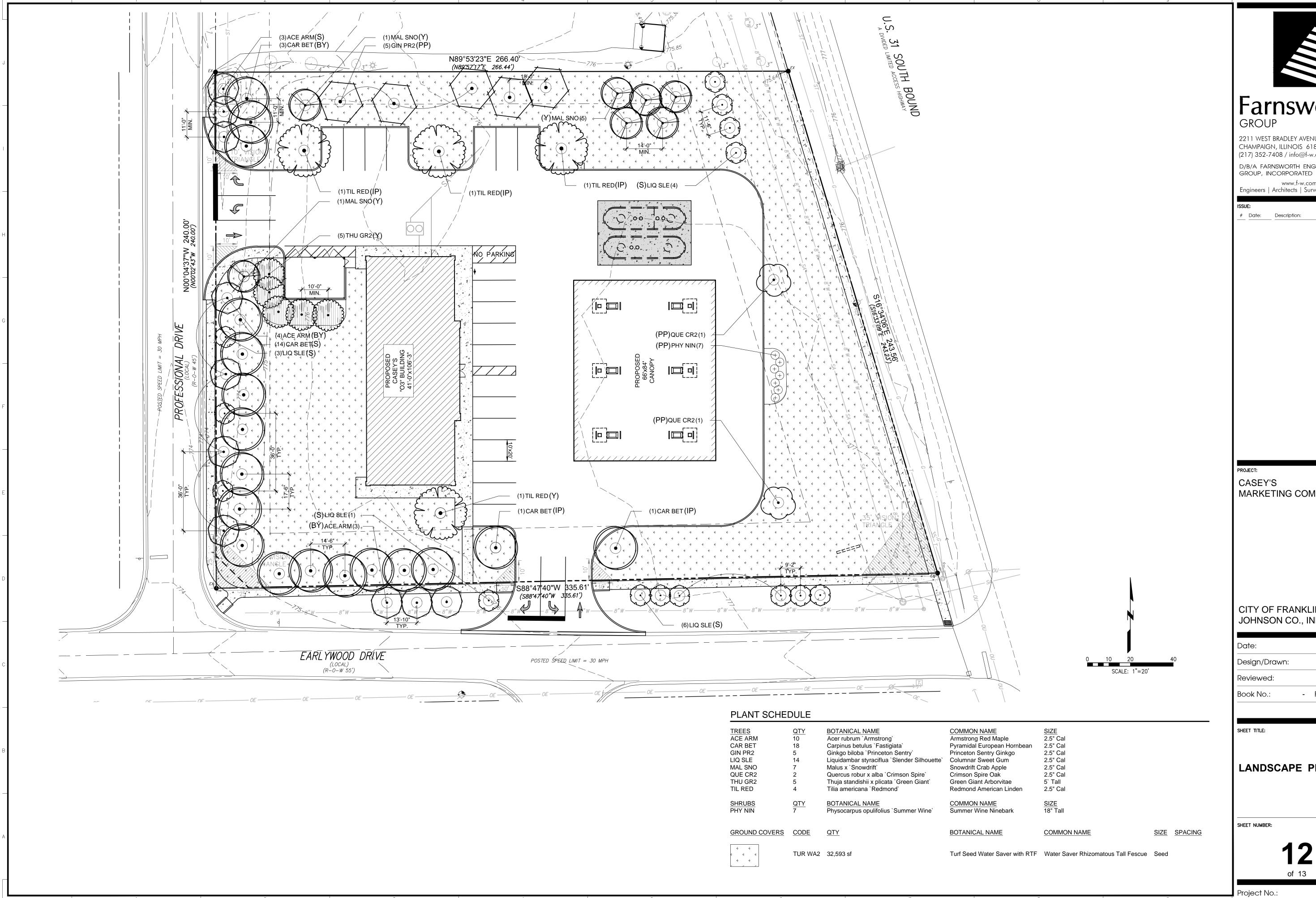
GROUP, INCORPORATED

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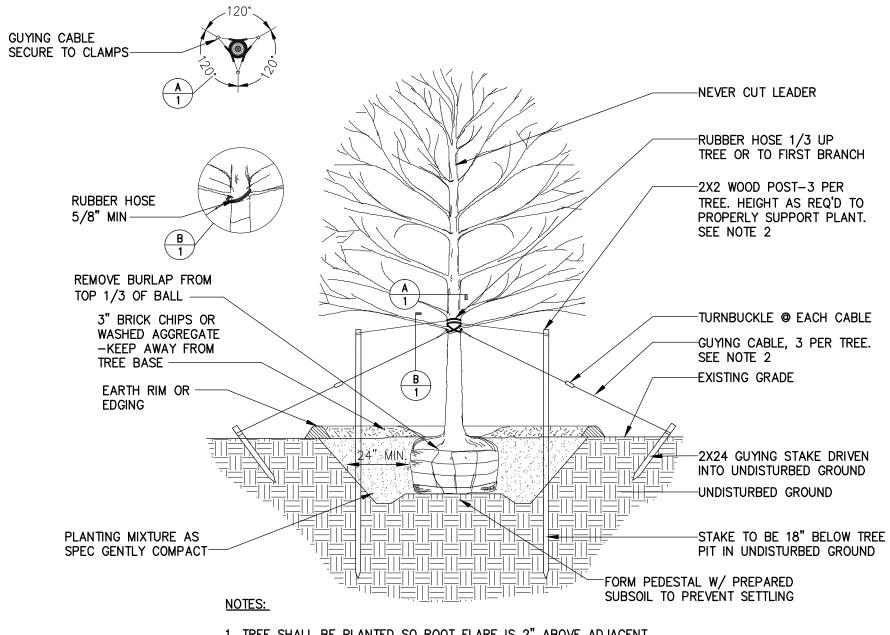
MARKETING COMPANY

CITY OF FRANKLIN JOHNSON CO., INDIANA

10-28-15 PJM

Field:

LANDSCAPE PLAN

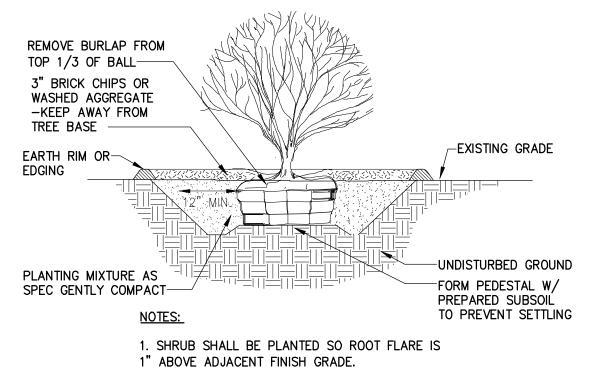


1. TREE SHALL BE PLANTED SO ROOT FLARE IS 2" ABOVE ADJACENT FINISH GRADE.

2. STAKE TREES UNDER 2" CAL. GUY TREES 2" AND OVER.

TREE PLANTING DETAIL

NOT TO SCALE



SHRUB PLANTING DETAIL

NOT TO SCALE

PLANTING GENERAL NOTES

1. (SITE CONDITIONS) - THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL FIELD CONDITIONS TO THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH WORK.

2. (DETAILS) - ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSIDERED TO APPLY TO SIMILAR CONDITIONS ELSEWHERE.

3. (WARRANTY/REPLACEMENTS) - PROVIDE A ONE YEAR WRITTEN WARRANTY ON ALL PLANT MATERIAL. WARRANTY INCLUDES REPLACING ANY PLANT WHICH IS 25% OR MORE DEAD, DISEASED, OR DISFIGURED ONCE DURING THE WARRANTY PERIOD. PLANTS THAT ARE IDENTIFIED AS BEING REPLACED SHALL BE REMOVED IMMEDIATELY FROM THE SITE BY THE CONTRACTOR. REPLACEMENT PLANTS SHALL BE INSTALLED AS SOON AS THEY ARE AVAILABLE, PROVIDED THE WEATHER AND SEASON ARE CORRECT FOR INSTALLATION. UPON NOTICE TO REPLACE PLANT MATERIAL THE CONTRACTOR SHALL PROVIDE THE OWNER A SCHEDULE FOR THE REPLACEMENTS TO TAKE PLACE. SHOULD THE CONTRACTOR FAIL TO REMOVE AND REPLACE THE PLANT MATERIAL PER THAT SCHEDULE THE OWNER RESERVES THE RIGHT TO USE FUNDS BEING HELD TO OBTAIN THE SERVICES OF ANOTHER CONTRACTOR AND HAVE THE WORK COMPLETED.

4. (DISCREPANCIES) - IF THERE ARE DISCREPANCIES BETWEEN PLANT QUANTITIES ON THE PLANS AND THE PLANT SCHEDULE USE THE QUANTITIES FROM THE PLAN. ALL QUANTITIES ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO BUILD WHAT IS SHOWN ON THE PLANS IF THERE ARE ANY DISCREPANCIES IN THE LABELING.

5. (LAYOUT) - SCALE FROM THE DRAWING AND STAKE THE LOCATIONS OF ALL SPADE EDGING, SHADE TREES, AND EVERGREEN TREE AND RECEIVE OWNER APPROVAL PRIOR TO INSTALLATION.

6. (LAYOUT) - VERIFY EXISTING UTILITIES PRIOR TO INSTALLATION.

PLANT MATERIAL:

1. (SUBSTITUTIONS) - PLANT SUBSTITUTIONS WILL NOT BE ACCEPTABLE UNLESS APPROVED BY THE LANDSCAPE ARCHITECT.

2. (LAYOUT/SPACING) - PLANT SPACING WILL BE SCALED ON PLAN UNLESS NOTED OTHERWISE.

3. (PLANTING MIX) - FOR BIDDING PURPOSES ONLY, PLANTING MIX FOR ALL TREE PITS SHALL BE FORMED BY THOROUGHLY MIXING PIT EXCAVATIONS AND COMPOST (pH OF 5.5 TO 7.0) AT A 3:1 RATIO AND PLACING INTO EXCAVATED PIT AS SHOWN IN LANDSCAPE DETAILS. FORM PLANTING MIX IN PLANTING BEDS BY SPREADING 12" OF TOPSOIL AND 2" OF COMPOST AND ROTOTILLING THOROUGHLY. FINAL RATIOS OF COMPOST TO TOPSOIL WILL BE DETERMINED BY SOIL ANALYSIS REPORTS.

4. (PLANT QUALITY) - ALL PLANTS SHALL BE NORMAL HEALTH, HEIGHT, LEAF DENSITY, AND SPREAD AS DEFINED BY THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1 LATEST AVAILABLE EDITION, OR THE AMERICAN ASSOCIATION OF NURSERYMEN.

5. (PLANT SIZES) - THE SIZES INDICATED IN THE PLANT SCHEDULE ARE THE MINIMUM REQUIRED AT THE TIME OF PLANTING.

1. (SITE CONDITIONS) — THE CONTRACTOR SHALL FAMILIARIZE HIM OR HERSELF WITH THE SCOPE OF WORK, SOIL, LOCATION OF UTILITIES, AND WATER CONDITIONS BEFORE PROCEEDING WITH THE WORK. PROPOSED PLANTINGS SHALL NOT BE INSTALLED WITHIN 5' OF ANY WATER, SANITARY OR STORM MAINS.

2. (GRADING) - FINISH GRADES IN PLANTING BEDS ARE TO BE SMOOTH AND PROVIDE POSITIVE DRAINAGE PRIOR TO PLANT, SHREDDED HARDWOOD MULCH, AND LAWN

3. (CONSTRUCTION DAMAGE) - CONTRACTOR IS TO PREVENT DAMAGE TO CURBS AND PAVEMENTS ADJACENT TO CONSTRUCTION.

4. (SITE PREPARATION) — REMOVE ANY EXISTING LAWN AND OTHER MATERIAL HARMFUL TO PLANT GROWTH PRIOR TO FORMING PLANTING BEDS.

5. (SEEDING) — SPREAD INDOT SEED MIXTURE GRASS TYPE 1 AND MULCH PER SECTION 621.05 OF THE "STANDARD SPECIFICATIONS", 2012 EDITION.

6. (LAWN SEEDING TIMES) - SOD AND SEED LAWN PLANTING TIMES: APRIL 1 TO JUNE 1 OR AUGUST 15 TO OCTOBER 15.

1. (PLANT MATERIAL) - MAINTAIN ALL PLANT MATERIAL PER SPECIFICATIONS. THIS INCLUDES THE 60 DAY MAINTENANCE PERIOD AFTER THE DATE OF SUBSTANTIAL COMPLETION. UPON RECEIVING SUBSTANTIAL COMPLETION OF THE WORK THE CONTRACTOR SHALL PREPARE A WRITTEN MAINTENANCE SCHEDULE FOR THE NEXT 60 DAYS AND REVIEW IT WITH THE OWNER. SHOULD THE CONTRACTOR FAIL TO PROVIDE THIS SCHEDULE OR PERFORM THE MAINTENANCE OF THE PLANT MATERIAL THE OWNER RESERVES THE RIGHT TO USE FUNDS BEING HELD TO OBTAIN THE SERVICES OF ANOTHER CONTRACTOR AND HAVE THE WORK COMPLETED.

2. (LAWN) — MAINTAIN SEEDED LAWNS BY WETTING, WATERING, REMULCHING, RESEEDING/SODDING, AND ROLLING AS REQUIRED TO GROW A HEALTHY LAWN FOR 60 DAYS AFTER SUBSTANTIAL COMPLETION. AT END OF MAINTENANCE PERIOD, IF SELECTED, LAWN WILL BE REVIEWED BY OWNER'S REPRESENTATIVE. CONTRACTOR IS TO CORRECT LAWN TO SATISFACTION OF OWNER'S REPRESENTATIVE. DURING FIRST WEEK AFTER PLANTING, WATER DAILY OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A MINIMUM DEPTH OF 1-1/2 INCHES BELOW GROUND. FOR THE ENTIRE MAINTENANCE PERIOD OF SEEDED LAWN (AFTER FIRST WEEK), WATER WITH FINE SPRAY AT A MINIMUM RATE OF 1 INCH PER WEEK UNLESS RAINFALL PRECIPITATION IS ADEQUATE SO TURF IS UNIFORMLY MOIST TO A DEPTH OF FOUR INCHES.



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LANDSCAPE PLAN NOTES AND DETAILS

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